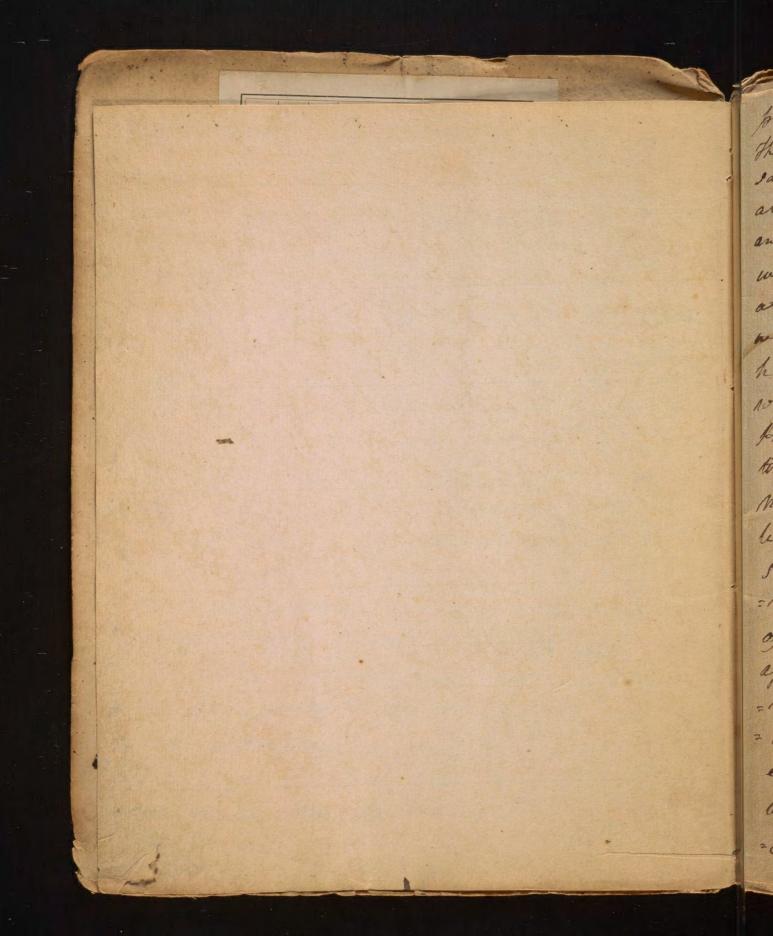


The same of the sa 1,2 7406. F. 436 13. LIBRARY COMPANY PHILADELPHIA. ma Richo RIDGWAY BRANCH. PRESENTED BY COMMUNITER BONA PROFUNDERE DEORUM EST. Introductions Lectione Delivered in 1814

I have como before yan toto to to deliver an introduction to the lectures of The late Br Benjamin Clush, on the Institutes and fractice of medicina. In they address ing you I do not feel as if I were frenchen ing a walentary task I consider it a duly. I have been the the popular of them, ma I shauld be un worthy of them trust, If I were not, by on ende avaux to extend the thuthe they contain to aim at some stender metation of the exection of hims who used so much industry to one ginate and track them The present time has been called with a sen-: timent of reproach, the age of between, In Thus adding to the mumber I feel disposed to question the advantages that are raise to be sult from their made of instruction, ma to ask if greater besufity might not be dirived from the more deliberate opportunity which books afford, for receiving knowleages and reflecting upon it, than can take



place in the hasty transitions of oral discourse The business of public between is like a thou sand other practices of the world, into which abuses have exept by the interests of mon and the oversight of time, Their advantage was he at and in herpensible to the student at their institution, they had their origanwith dono, Block and form, teachers who had knowledge to communicate, and who had not the multiplied means of the trefo to extend that knowleages to other times and places. Omiting has changed the made of many acts, and books have now become the common and sufficient in structors of the world But there is a like: - mel in the forestier of mon to those effects of matter where motion is continued after the cause the gave rise to it is he = - moved, and the practice of public be = tury, which the circum stances of there early trachers rendered necessary, has been continued by habit, when the oc reasion for them no longer exists -

L 100 the de fo el ne 20 su M d 9 r ST 10 1 0 1 a Ne a 12 0

To this penack there are some exceptions? The eliments of all knowledge must be at = : dreped to the senses, and among medical Andies there are some branches so abjolutely elementary that attempt to teach them in any other way than by a cahiliting their object to the Benes, want he ate intoin such branches are matomy, the experiments of chemistry, the sperations of surgeny, and materia medica where it is propuly or use: - fully taught, by shewing and not merely describing the sensible qualities of Medicines There subject, will be more carily understand ma more impressively can veged by the domon strations of a between, another accasion on which between may be unful is where they can tain knowlage or preculiar opinions which council be obtained from my other source -Thesa hat say with what plea I dain your attention. The betuny you will be an contain not only the record of as much experiencex as has fallow to the lat of any teacher, but They contain original deductions from this experience, and an application of these frime

r you may know V. The art of -

contained in those hetury are original and unful I have only to state that the third and conviction of their truth, Atroant a whole country hos succome as powerful an opposition as mad over sained against my innovation, and that with The dauble operation which many buthy have of offending and convincing, they have by the same persons hem hoth condemnd and practiced. ~ I will imploy the present time in stating the object of this course, and pointing and the manner he which there object, may be studied and improud to the greatest advantage By the Institute or Institutions of Medicine is meant The knawlage we have of the phenomena of the human hady in health and in disease, and the effects of he medies when applied to it, reduced to give al tuly and made preparatory to an entering on the frace ties of medicine, By the proctice of Medicine is Meanor The use of these Ouls in ale the individual cases of disease to which they can be applied the Inthity and practice of medicine is no more than that de hision which every reience admit inte a spece elative and practical part, The Instituty and the proposation for af Madical

ha fly to th tie po M in A in he te te A a

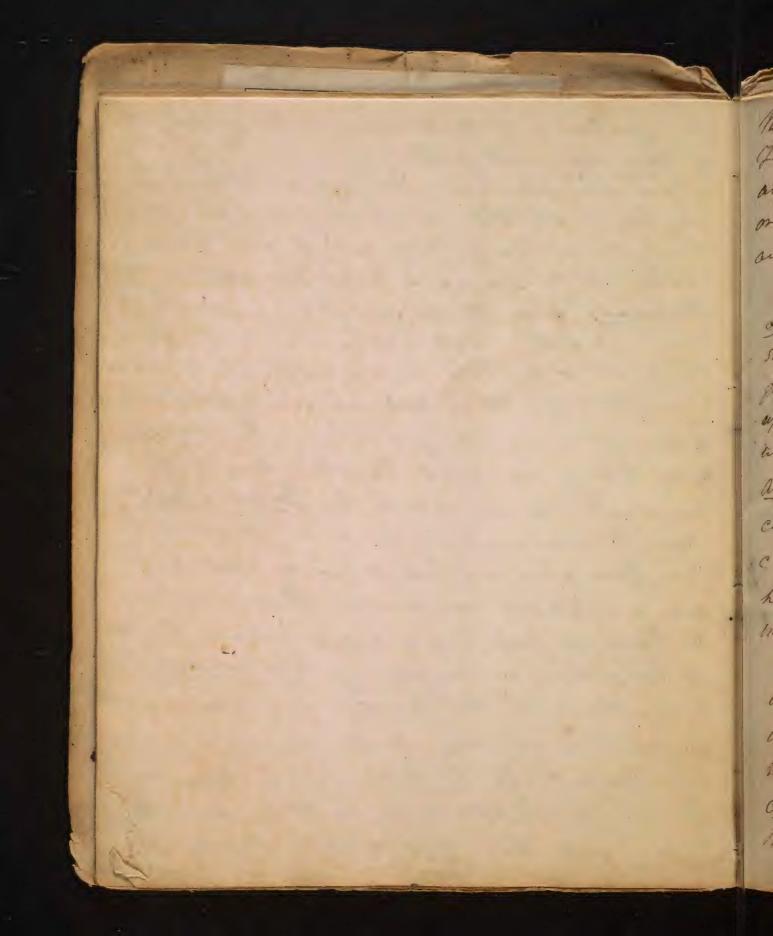
has been subdivided into Phisiology Pathology Hygune and Therapeuties each of which I will in deavour to explain -In a healthy human body there are various actions taking place such as the circulation of the Bland, The Motions of the musely and Miracs, the diges tion of good, the section of salina, lile and others, have the tranch that objected the present the blesomera Physiology ~ If the human body were to semain always in the requelor excusive of there heal they actions Thy siolagy would include every thing that could be known concerning that hody, But there are tear, are liable to be allered and this allera = tion constitutes disease - The mest step them is to enquine what may preveal this alteration considers the me and of preventing there hearthy actions is called Hygiene. But we often find that all en acanacess to fre une the heal thy action, we fruit lift, and disease occurs. He is any sinte cure they and

so and the parts they particularly effect -

In order to see, we much enquire hite the eauser which have produced this disease, water that they may be serviced, The part of The hady it ace us in, that we may know where to a pply the seme dy and the Signs or Sympotony that we may know the aanger they The branch that object ale there partiene lass of the Causes Seats Effects and Signs of disease is Caled Pathology When Dathalagy has then langht us the A alune of disease our ment en acour is to a tiply the same dy to it. - The branch which observed teaches the manner and degree to which me accious operate on the hoby to as to suit them to the concumstation of disease, is called Thera penties ~ The Institutes then consett of these gour parts Physiology or the theony of the healthy action of the body - Hygeine or the Theory of the act for preserving there actions Hathology on the theory of the diseased ac tions - and thera puntes or the theory of

of the institutes v. Therapeuticy or

the operation of medicines for the removal of there dise and actions. There branches give the general miles only on the facts that are included under each. The application of there suby to particular cases, when a disease is to be prevented as me Hygeine, when the courses of disease are to be somand and signs distinguished of in Fa thology and when medicines are to be chasen from their qualities and applied to particular diseases as in Therapeutics - This applica: tion I say constitutes the other branch of me dieal seince called the Fractice of Medicine From this account it must be obvious that There Branches rise and of one another, and are me of a sely connected. There is nothing hi Thy gienes that has not a relation to some of the actions of taught by thy side gy, There is nothing in the practice of medicines that has not a relation to the deseased actions as tanget by Patholagy. In these we is agreedly have that nature has made winty



Them dependent on each other in reallity Jaken all together there are an entire System and as a system they much he taught or we abouton noture for the sake of our own unmeaning distinctions. -There are the object, of the Institute, and hactice of medicines, and I will presume to pourle ant · Surenal Phings that one necessary for the ac quirement and attancement of our knowledge whom them. I suppose I am odorfring persone who are accirous to improve a very imperfect art, Thase who will not be continted to he ciene the talent from their predecepore, and · carefully wratil. up for their posterity, I hope their succepons will recieve it with I would fint wish that your eon bineed the object your one pursuing will be useful. This is not an impertinent me quest. The no Anow Mat. Here are The dieal, Hips crity. Physicians who practice and who at The same hime believe in the entire uncertainty

7. of for Su the pr in is sh 00 get. = tr a Si a M 50 1 ay Re

of the act - That the partiality of other pro fessions, the previolents from he wable dis lases, and the inventions of wit, should suggest this idea, we need not wonder, Bal The honesty at least of a tohyoccian should prevent it pour sising - where this ideas ex isto let us mener attampt to refute it, since it is held like all sectureun opinion in ab-Stinacy and mide, and Since a tohysician Ear have no interest in refuting that opinion which the fear of death will always des: In the subject I propose to back you will find that in son omience which is felt in the acquescion of all knowleage execpt. The sciences of Juantity on the ai fi ently a system of meshuction purely ele-Mentary, and vering by asmoustated, and successive tenths, the the whole has one face of complete puspicuity. The labour of the mind had its marte and its useless semmant, like the labour of the hands in the

Vo there is a bile comparison of knowledge to a sirele -

acts, and this master consists in the necessary in troduction into the subject we are teaching of Those things which have not been muriausly inplained strong borge street here to the to as sinde, he cannot set off from one point of it meethant le aving be hind some part. unknown that is connected with what we are bacing before us - and we are obliged to remeay the impulsation by going over The circle again. The season our books truce to cause we finge one bout necessary to the eliceration from others the Institutes and. practice are not a purely elementary tuby. They my some acquaintance with sub-: jed to which they merely make an allegion There subject me an along Chemistry, the Just - ities of medicines and the prominent symptony of directed - I wish you may have some acquain tonce with there, they contain the weible signs Mat showed he knawn before entering on the present un ace taking. - Every seience has its al = Whalet its sylately and its words he which he must be famaliarized before that science con

ins Lo 2.00 is 22 the. : 192 bu M 224 = 60 in An. Me tu Atr 12

he a language to us. Matany then if I may So speak is the non hack of medicine; It is addressed and to aux senses and our memony and is comprehensible by every one. It much he known, as it described these parts of the hady at not which it is the after war as the husiness of Phy sidayy to my : onle in mation Imfortunally for Phisiological Inquirey, anatomy can satisfy very few of its de mands - since mand of the Sunctions of the hady whase causes we disine to know are the affect of the action of parts on each other which are beyond the somer of the sinsed -Some Knowledges of Themisty should also fre : eccal aur present pur suit - Themisty cahilets the Afects and moestigates the causes, of the action of the minute bartisly of matter on each other, and he this lies should in aced be melimenary of all Thy sie al science, as it is the properties of the minute palicles of matter that the effects of the world much be ultimately have d. as a part. of material one ation the human haby then comes under the muchgations of Chemisty mayan Muan that the opinion has heen as few dec, that

Me m V. That to understand Me

The functions of the body are the effects of 12 day not alean us to decide the reflecitt ques. tion. But an the causes of many of the office, me The hum are hady are mine with chemical, we may hape that those causes which still are hidden may get be brought to hear a part in the Sim: plicity of nature, by being oranged under the Same bead - I say we may hope, since no human Judgement can pronaunce the outicepation un alt ain able. However this questions may ondo it is entain the analysis of animal pluids and solias, Secretion, Respiration and the actions of several medicines we required a knawleage of chemical principly -Materia mexica should be on other acticle of much preparatory knowledges. By at I me an an acquaintance with the colored small light to the colored small light to the colored some actual display of them. It is to this such materia Mudica there between will refer. The places where they grave, their me the dieal arrangement

an 1100 fue tu 12-2.00 No 2. de r In an 22 De = 90 de 46 he w Ca So

and the person who first discovered and we have no immediate concern; They come un aer the view of the Jever when the Botanut und the Biggraphen. I do not say that there aught not to be known, since I believe that nothing which can be harned can be useleso. I only ask for it in it, broker place. Rature offers son fusion enough to our stender intellect let us not se cond her operation in our pur sent of Anawlages, by adding obstructions, where mough human means they are witable. - There are men of business in mental as well as bodily excetion. The mades in each are analogued Do only what the end of your business se. quines and let the means be Systematio -I have said that you should have some know lidge of the symptoms of diseased from a chiel observation. There are many ideas which cannot he conveyed by words. we think we arrevile them when we tite their resemblances. The may mata whom cally averile a buse by laying it is a time or Soft pulse, on that it is quick on bequest, But

de. to Vamurical instrument. 002 fem. mo the af. Mu Mr.

distinction by discretation will not make us to becausing the difference when the fingers are obtained to it - bus a me chanic over taught his art by description alone? Menulo a library of holumed track the art of playing on without earn circ in the Forest ? Seven Him and Rules would in and Shorten aun lahaur when joined with practice, But alone they would never a complished their disigns " as in the art of handling there is a Buculiar management of the nowelly, so in the art of Enviring the symptoms of aircuse there is a menage ment of the senses, which is only to be probable by The implayment of there. you will find there between more interigible therfore if you are acquainted with Can only be hand of the Datient on those who have pat that knowleage wite have su freent opportunity to guin it in the grand in the considerate. you will have area? you will recious from the madical surgical mother chore. -

SL itte he The ea gr p. lo 1 Nice he Ao K an Se pre Phi fr Car and the part le a - 11. Ce p.

Share a any of you be unaequainted with the Dulycely to which I have refere id, you will he ar Morn with their bil orple wathous from The some fragions of the Universely and I cannot cannot it too fortunate, that Such great aid is thus offerded me in Atore as partment, where I starts he utterly at a loss to instruct -It will be mere pany then that you know there Things, for the easier acquire ment of what I will read . When this is heard and harrd, your will have only a sight of that which might to be Known. To be informed of what is Known in the world is both satisfactory! Secondary of the Mind - The pleasures of harming are delightful, but They are relfish, The pleasures get in im: Imoving an act are those of the largest be newolince, for the becrefets extence to ale futurity . - In harning we secure

a for it au tile he bei an al of Phi po Sco : te tio 00 a. Co aj

advantages from those who were be-16 fore us, and when we remain contented with it we have as if the world were to and with aux lines - The only way to show the feel gra - tilude to our ancestony, is by aiming to luston benefits on our particity ~ Wet will suppose then that your greatest am hitian is to a a a to the knowledge we already populs - For the accomplishment of this ambetion I will mention some of The modes of Mudy that appear suited to the purpose. The first om foliagment, for the me promement of medicine, is that which has improved every science, the exercise of an alcoutine and onligh tend abjenuation - By an enlightered objerva tion I me an one distinguished from that common motice of things which sees them only as individuals, and not as parts connected into one general System, whose operations at is the lumines of Science pro

lon for Ther ju tio Se 19 al Se fee ec Co ar Re an le li Set

understand and to agerile - He faculies! for this mere notice of things are the Senses only and are post sa by all mansiend, But There faculties never accomplished any thing In Secure - the are ofthe tala of the absence tion of the bulgar and this observation is But against the speculations of the wise.

But may stoot he operted that pulgur observation is ofther defective than har ned Speculation - Whence come the mullitute of Supershlows in Religion? whence come the pulsities of the sauses of things that are current is the among the ignorant, whence conce the blunders in the mechanic out, where one man of enlightened abservation wall restify what has been practiced and paper over by thousand! There are the fruits of bulgar resonation - If by abstraction Is meant the there lich relaining of things by them Selves, then the briefly are aux equals who -

It us suppose you wished to observe the mechanism of a watch, in order to understant the cause I and effects 1 of its motion

know a tree from a stone. The abservation that has improved the world is of a different grature. to the pale the stance of the have been and best and only with prison is considered as a simple act of the senses, but it is more complicated, do doo propo our perception of on plays our memony, apociation and judgement, Me of the foreign the bonell or that put which contains the spring, and note all its appearances, & retaining these on part on which the chain is work , I rate its appearances. From an apociation of the toward furnished by each of these parts, and a comparison of their relations, Leandwar That one cannot move without profulling The other in a mainer company to the con rection between them. In this manner

23-

ly The a 1 of wh Bn pro pl as pa 07-The Spa of us hi Cu he.

by a succeptive acts of perception memory The whole structure, and abtain at one were of the machines - now this I has been alitained by what is calla merely an act of absorbation But it must be manifest to you that the process of the mind is the same or that on plaged for the attainment of the reissens as we absence the watch, we must algerre nature if we wish to discover her causes or modes of aperating. Here is but this deference between them, the abservation of The watch is conducted on one insulated Spot, in a short time, without the interference of other mechanismy to mislead or Bishael us - He abserceation of hature, is conducted in auferent places under afferent cir. cumstances, at autant porivos of time, and with the interposing of many inclinant

ci. the the gre of an ac : for at Am of. wh lue hice to Ca Co Sh he

the mode is the same in each case, only The abservation of hature dequires the greater act of memony, the shonger act of aprociation, and a cleanor judgement On efecture abservations consists not only in an accurate attention to the things that pass be fore us, but also in an attention to many things at the same times, or if that he impracticable Attoro the limitation of our minds, to a number of things in such ropid succepiace, that the whole view appears as instantaneous wifit were done at one time. It is by this Collection been that we gain a knowledge of the opera tions of nature, or in other words, of the Causes of things, If we see the parts of a complicated machine in separation or stow succession, it is impossible to compre hend it, But if it he arranged but she

me Vo These remarks will receive exempli hat fication or proof, from an attention ris to some of the departments of our ern Knawleage. The certainty of the sciences con of methoretic and geometry, is de= cia = reced from all the circumstances here that had to the truth of their cal sen culations or measurements, being an Ma at the moment of conclusion within Ma The scope of the sinceror memory The Wheras other subjects which do ton not admit of this advantage ale

us so that all its parts are exhibited at once it is easily understood. The same is true of the works of nature which are the operations of a great and evneplicated machines, By studying them separately, they may be known as individuals, but we can not tele how they effect each other, it is by bringing the parts to getter by a comprehen sine objection, that we are able to ais cover their courses. - This idea will be alw cidated by what I would alesone with he besence. The Deity by the popular of infinite Sinces perseeurs every thing. Sund, mation and form cannot be so infinitely diminsted That his senses by a parallell infinity lan not over take them. But knowledge from There sources alone, weald not be omnipa. tonce, there is in his more a pawer to see all things at once, I would call

of having all their facts losingth at Ahris once within the field of observation Lan are still perpland with error or ob: the scurety. How many voen theever of Mar the Fides presailed, before an abserne o vation of the When more of the heaters they on all parts of the earth established of a Ma our fre sent syplem on that subject sf. 6 What a mite of medical truth ge 1 to mird with its map of ener Tha and uncertainly, from the mose ma of 6 bility of attaining at one men the whale of the functions of the vie. human hady in he alth and disease ion The un certainty of fine dictions wes Sol ing meteorotagy flaws from An.

Ahis attribute the greatest if it did not 22 hank among perfections, Since in man the faint image of the Deity of is the strongut one of the genius of Shakespear and Becom. they have saw things by themselved . This attribute of aircinity is the faintain of his omnistance, by placing at one usin before him ale the operations Of Exection; and man in a humble likeness, gains a krantiage and consequently a power on in The little spheres he studies, by an observation that Cran as onto one wiew, a number of the party of which that system is compased. - The labourg of Junius are a constant en de anciente effosch towards theroson pologodoson pour the perfee tion of this agregating faculty It will have wer never be reached by man, from the ab: solule recepting he is under of considering things in succepion. One use of his morning

The limitation of our observation of The phenomena of the meather to frin rly a few places, and in the flow ques The and from the observation of Him Thesefohenomena afethorstring herry ring made in these places, in succeptive years more than by comparing the wp. observation, with the populs that they are occurring at the same moment on all the others parts of the earth tion H hart receords of these succeptures. me observations have been accume haled by naturalists, we thank the advancing their knowhage tin much lingond that of an on hee ain any and un Mistophical absences ail

is as a substitute for this faculty. It 23 brings before his eye whilst wiewing one object those he has seen before, and thus gives the faculty of some beholding many things at once, which in the Deity is a single act of Perception - He more mu: mercus the objects are that are their brought up by the nemary and the more intimately They are relation the mos meatin will be the power of to direaver the opera tions and causes of ratere -It is observation conducted on these principles which must improve our act. First to see precisely ale the individuals that come before us, and secondly to cal the habit of collecting into one been the greatest number of there in airiduals.

If a momber of men such act time same time earth to mark the courses and to A nature of the winds and clauds ly 1 More truth and foractions, predice ece tion manes he strained from the he ! to lin combasisons of their simultaneans aburrations than could me salt from the stricket diary Right by han any one of them through suc the expine years to the on a of time f it

to arive line let for this alycroation 24 we much be aliquet in the wir of it. To stand and note only the Mings that pop by, such hind aur knowledge to a few and accidental abjects. The Metaphor applied to the me and of acquiring science is Walks Its seals are only Mare places where a long be of elentrong travellers has deposited collections. He common consent of Manking maker gain in all its algets
the venule of an inaustrious purport of it, Shale the maian wash whole hilly of clay to find one little acamond point? and shale not they who desire the truther of science, give for their higher miportance, a greates degree of attention and manestry for their acquirement. Shale they alone any that which

of a case of illustration will ohen bene that it is lettle more than the philosophie absenvation, considered on under the last head.

is the price of every thing next 25 populate wer. - Hat mind will the a Meagre one that is for like the animals find to the rock which paperely secione their houristment, by The fluwing of the tide upon them, The mind that would be active and wigerous must be nourished like the Eagle, by a restless and a pureing Search. ~ The proper employment of aur re arou ing faculty - is an other mean for our ad: barement in the study and improvement of medicine. From what I have said un - Our the last heart of object a lion you must Soning. Cleasoning is the Markeling our Monghts or and the deciding upon their agreement or difference. In will state a series of by some is the more than objection

First it was a touth established by ob-No. of Lot de servation that the symptoms of inflanc War. motory jeven were a terre pulse a try skin lete thant, a diminution of many recretions and occasionally an effection of fluid on wit The surface of the skin in the form of purpour Ser. tion - ot was known too that inflammato ejla by action in the bloodrefuls cometimes produced t f fluids below the stene as in burns and searlit ife fiver . - It was justien observed that this inflammating fever was relieved by de ACCOR a) pleting remedied - haw it was also she More of sound that many aroprecal palients, had The s This same tense pulse, dry skin, theret, and ene diminution of many recetions, it was fur then seem that there was an estensive effusion of fluid below the skin of 200 The limbs, and on the surface of the

Let us suppose that peasoning for too 25 the Are use of repoliting pometics in arapay. b. Tind the halls ok the Septement Manual of a dispersion of a d icto secretion of Assides was the much of some The Heftammating action as in hum gard seen the let free to was here to that many tio bife a matery fuers terminated in the ce of water on the steer in Sure day be and there other encesting on a the flack ad formation of water we country: we was no now if I may be nav all there pheromena of I drapsy being objerved, they were compard

softe of the body constituting in these cauther, if & might so speak a kind of internal perspection.

with the phenomena of mflammatory fires. and the overceauce being so cationies, it mas from med that the agreement was uno herral, and that the States of the System would also resemble out other in the effects a produced by one renedy upon them. The depletion therfore which had been found beneficeal in inflammatory fores, was wed for dropsy and the west was a cura of the aireares. howe this conclusion was an act of reasoning, but you see how much of the macels, by which the huth wais att aired was a more objectation of the his is ble phenomena of the cased. The reason my has here electrated is by analogy, or from a sesemblance in much purticular of two it is the only interest of reasoning the quality put the guality put truth, Indied I might extend it fuller

irh. of Perhaps staught not to be said that

and say that it is the only mode where the serve as not serve us, of attaining knowledge of hature wether physical or horale. The matteratical process is culto Hasoning. but any one who will analyse it will find that it is only a convected siries of objervations -There is an other cacreiso of the mind which arran ged under the he are of reasoning but which does not be long to order of that reasoning which is to be in played for the attainment of truth I mean The theorizing that forms the greatest peut of ale me die al en guiney. Theories are querelly founded on suppositions. From these premiers the he asoning is martly consistent and conects, and perhaps the best examples of auto and lage e al than ghe are to be faund in the theories that hour amused the world. The error is only in the autst. I will say that their was the has from them to be so. But as truth

tal



is uniform, and oner multiform. The chance that they may be correaus is to the chance They may be true, in the same proportion that the manumerable forms of oner on a subject hear to de single form of truth. Theories have oranded The pages of medicine, because there is in the human hady so much that we want to know and so little that we can know he ful whand to meet the west with the confision of equorence Since this unfortunally is considered as great a sin in sucre, as the commission of my nice against morality. In both eases we attempt to absorate refrench in the same way. In morality new suck to hide our shave by the ortefices of derical, and in Science by the comming lye of theory. But if we seek for any other remedy for ignorance than time and the industrious exercise of abservation and reasoning we de ciene aunsluer and stop the pragrafs of trute. Here are some things in the human hady which can never be know, whilst.

in Su . Heir 04000 te he al the la sa LA. aa the a'te legon Merc dal.

au senses, the only testimoney of trutt, remeins in their present state. her shall never know how a muscle conteact how a bymphatic shooting, how the nevery move, tite we see them he never conjecture on dispute about the form of the inhabitants of the moon, then why should we say so much about the mades operandical certain medicines. Bath objects are equally beyond the power of our senses, the one by distance the other by diminution of one tenth of the time that has been wasted in Theory had been emplaged in investing quater and of the wealt would have been much attract begond its present that son, Think have much the Tile cape has advanced the knowleage of objects That were distant and unknown and we can calculate how much the microscope may he form us of How that are minute and unknows Let us then not histate to confip that we

a fle et us toptes em 1 km he. luen Ella udy

are ignorunt of these things which with 31 aux present power me angosto to know. Let us varcise our winds on those things he are eapable of assertaining, and they are ample enough for the longest life of labour let we such to improve our senses for the twis tigution we do not know and by ecasing to conjecture where we are not east ain ht us try of we cannot severe that rule which makes the stane of come by then the shame of ing Study of Medicine by the cultivation of other branchy of knowledge, which at first sight as not seen. to be courseled with it. Here are semole in world fluences in sciences as well as in thysically and among these is the influence that the Study of one branch has on all others. I once met with a sentiment in a distinguished writer and advocate for literature, that from

a stu of Aume -

The extensine and secret operation of Moral caused, he would not say a chinese therda fin was not a better to an because Millon had wretten his Paradise Lott. He sentiment is a extravagant, but it contains as must en Muse astie opinion dues, some foundation, and the analogy of the estensive physical effects that ofthe arrise from appearantly small easily warms us to be cautions in limiting it, truth with a similar wew to the indirect influences of studies upon our mind, I believe that other things being equal he will be a better they sean who has received the mental benefit of studying ma:
who is a quairted with Smith, we at the of Ma:
tions and Shake spean plays. I know qualitie. men the this is not a popular doctrine Thy sicians are often the per be sauce they are nothing but Physicans, Strange! that profipion the account of making our fortung and not the art of making our Miros

The fire. siche 1 caie asur lege. Holas to a More MEG , if we Ama a the ques Cil aresil By le

There studies are larefield in two ways. in the comprehensive range which medical science takey. Consult the absurations of the bust medical authors and you wile find they have been arown from all department of human know lage. histom has connected the studies of Botany and hateral history with the educa tion of a Physican, when in reality they have not More relation to it; then many other branches That never enter inte College nestruction. Lis true they both Amow light by analony on harran Shysiology - But the same thing is done by the bigher departments of Pactry which gues the philosophy of character, and by the civil and political histories of the world. The which discribe the happiness and turbulence of men They leathy instead us in the healthy and ons sered actions of his mind and possions-If me ais al eau cation were to recieve its full complement of aid from other knowledge, no one

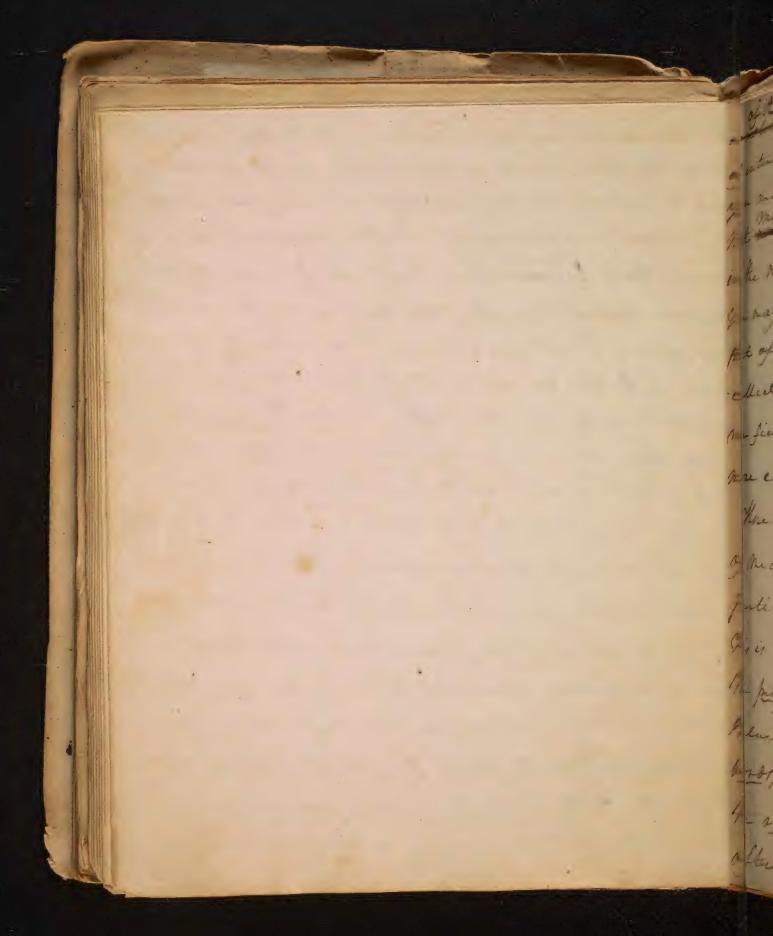
ale an 19.70 te. h 6-2 60 ates 7 A La 1-116 (240 a pin h sois 12 ac torice ion the Sof a 2 : m Int

branch would be omitted. But the term of 34 life and the timilation of inteles at must present This. To a cutain or tout however it is proctice We here Know that all science has two departments one consisting of the general franciples, and the other the actail. To have the delail is the bu. simps of a life, and must be confined to the profipional man. But the general principle, one more early attained and may from part of the knowledge of wery industrious student. It is a habby a daption of the mature of know lage to our price capaceties, that as our he: Expities confine us to the detail of one pursuit in science, we have yet an apportunity to goin an acquaintane with others this their giveral principles. I therefore say study your own profes ion thoroughly and in dilail and make your Self acquainted with the general principly of as many atters, as your situation wile allow. But Secondly an advantage will not only he received in the facts framithed by other branchy cora genera for a particular pursuitno h d-mis Fwants time only to make it -11 4tz a fine putn 3 ma For intellect is but the minor of mature, and altin Knowledge, lent our more of Lolding the re flexion - Rinform we make mind by Unorde to a true to their apar

of Seinal. a greater benefit unde la derine 35 from the improvement your mir or will receive in the pursuit of them. The process of the mind no the acquention of all kinas of knowledge is the same. The same instruments Perception, memory, apo sistion and fudgement in played in ale sciences. By the implayment of there instruments in one the a canine a more aux hose management of them for others. Lis true some of branches one more carily attained than others; and we sometimes objectue cut anily of telfent to may consider the as a fubling of mental powers which have a Lominion over only a part of nature. a real Muster mind is capable of weng thing. Since then a finished intellect is for enterprise in all de partnerty. The shared try by a kind of morrie operation to produce a simisted intellect by the Cultivation, as far as is procticable of every apartment. To apply this princeple ne

Vi the successive of knowledge are made upone a multiplying matio -

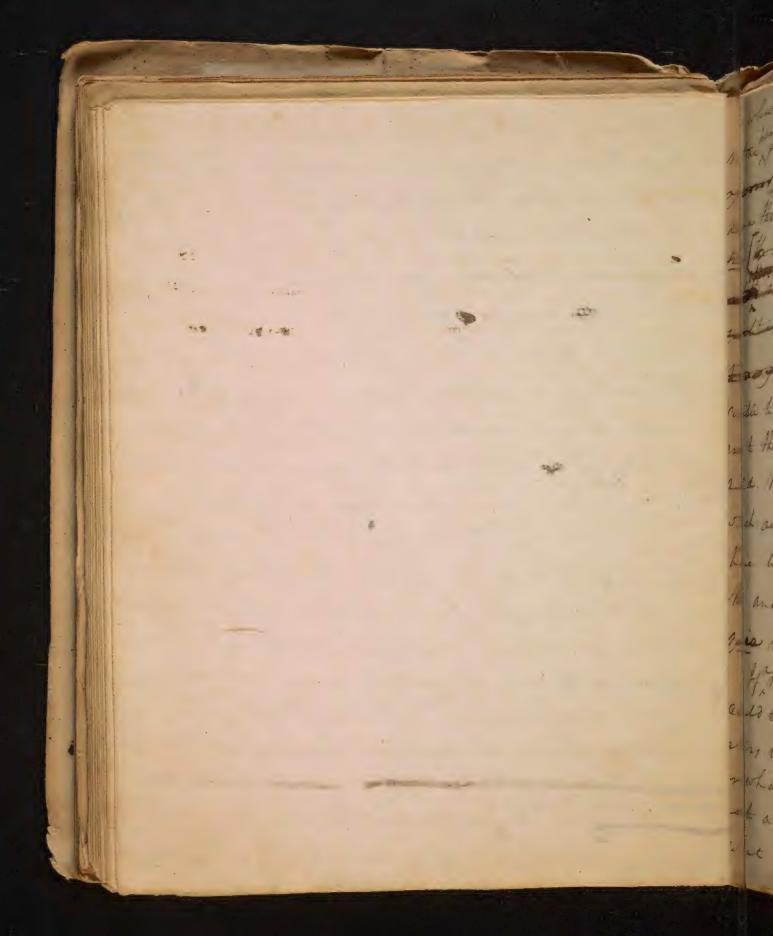
to the purposes of medicine. I do not see 36" That the mac the matie al studies of the properties and relations of magnitude and munder, have any direct application to the treatment of a dis ease. But I from that the habit it enealing of mecise definition, of perspicuous compairon, and of street connection and conclusion, is ap: - plied with the qualit advantage to the invent tegation of medical truth. again I do not know That Here is to be faced in Thomson Seasons a line that would serve a medical purpose further than a noteo. But I know that the niety and accuracy of algoritation of all the objects of nature which are embraced by the Subject, may create in us a like power to abserve the phero mena of nature as exhibited in the immediate ob: jects of medical science. The cultivation of other knowledge besides your proper profesion thousand be your aim then if you have placed higher your hopes of medical distruction. The more



In of the guino the more or the cupacity 37 of extending it increased and the a survey of what Mut may thus necomplish, may as cover some in the mental exercise by which it was obtained. you may deplose your time as lost he cause the put aft is not immediately produced, but he: -callest et is like the loss on the falsan of a Sum mer field, which renders succeeding cultivation more easy and successful. -The is an wil which mass the moestigateste of medical Science against which we munt particularly queand. I me an Prejudice -This is a mental deseption and is of two lints The prejudice of words and fragement. Every Philosopher complains of the obstruction that morst, or if the will be not especial to them, the abuse of words offers to the inquires often Ant. - words are an injuny mad

Vi in our enquiry after truth by of the proposition is then reduced to this

First by being and Meta brone aleg, thereby 30 hading to a be lief that two things are entirely alike, which resemble each offer purhaps in but one particular. Secondly by quing vise to abstraction by which our attention is directed from things and since on sounds of Hirdly by the alcompt to hich is made to define a thing by a few words. Where as, the only just and true defenction of a thing is the intine aircrefition of it and Yourthely by air being satisfied the substitution of a word for an dear. This is the mark copiaus source of acceptace of words in me active. I will give an example of it. The say we do not restone a around person be cause there is no exectabelity for our remadies to act upon. This satisfies our enquires, but or cetability it here only a word, It is not the sign of any thing our senses know, which is the meaning of an idea, be as not sectore from because him is not that thing in him by which he may be mertined which is oly saying not neston Min be cause we cannot sestore him. So that the whole is meduced



to what. Milasophy should only say her cansos 9 notone for this is a truth. - There are the deception of word language that we must await if we with the know things as they are, which is the aim of these Philoso hhy the reason suggisted by going a some to of things, By there we are often someon made in simile to the afferences of things that words have joined, and to the resemblance of things that words have sepa: rated. May instancy are mot wanting in Science, in which our ideas have been misted by words that have been given by the rule of contrascitus, as The ancients quae the manner to the distances Parece quae non la ce bant" If men were only to abserve and think, and could they at the same time recieve the knowle age of others with aut the communication of language or what would be the same, could be live so long as to acquire by his single observation and Amiking what he demands of others, for the want of time,

The is n- 4 noh ni jost frey sa A. Me - se Krub Aus pear in trade Pholo line The to bull. 13 ut = 6 g

There is no calculating has much sooner he 40 would arrive at the paint of knowledge a hotel to man, than would be muched by any number of men prograting by the nu prefect and fulacian id of words. Arhaps I mag he considered as Sureful, and I when it only as a fan ey when I say that brutes on this principle as proposes more occurate knowledge of the object that come before their Senses by abserving them therebery than if the Same Unawhage had been desired by a language, from Hair speces. - May I ask two if some of those acute perceptions and conclusions which we call their instincts are not the effect of the dumb study they make of the object that concern them. - a sect of ancient Philosofthers injuined the Keeping a term of Si lince on their haviers an Institute an mostly the histon of Pythagonas. which limiting they omplugement to abserving and recording, gave then juster notions of the medities of things. out = the greater will is done to science, by the pre - podice of magnit. By frequerice in palyment ream it woth all aun mide -

I do not the an belief without soliday 41 tensor sufficeet argument. since This is a be lative and wariable thing as no one wer he lived a thing weathant soly factory mason to lime G. By mejudice I mean apinion formed what appropriate pour agument. This if I reject an onemies opinion he cause he has superior me de is using an un approfinate asquirent cince my feeling the injury hand no more commention with his opinion Han at had with the language he speaks. we are accured into supporting them. belated by hoth of Her attaching to the same posone. - destroiting - he are how ever not only to grand against the preguli ecs we have four enoy or author toward others. But we must carefully to avail a larger class that results from a love of auxelves when bre have adapted on opinion, we consider et as part of ourselver, and we oderstop & Startually well stay that its a squary thatters

与 the pa is v. this made of my ec 3 a an wa Tow the Shall hu: to eam San C 22 1 The to him his he

east of we fish and wet were 42 about out of the state This partiality for our apinion is a prejudice - to is an unappropriate argument, it is liking our opini en because we like auxlus. But havener folion wind a fit that it had it had in the ports of the or of the superior in the world them any other agamenty love the testimony of a Source. This selfone chance he no argument to a Philasophen. He should be ready to give up not only his opinion but the great marter of wirdow Socratis, set the example that he should resign his life also for the sake of Fruth Let us consider frutha Lyrant and give her ale she domanded. It is to told so characteristic of Fundal time the a Scottish heiftain once ordered a retainer who had offerded him to distray himself. In the australs of his streation his wife adorefed him. To away John and harg your self, and do not displease the Laird. In ike manner a Philusopher should consider

huself Stall is fter Le. ho ty. he as Mis See po mre ly in ime for May 22

should be ready to lag acon apinion, which is after valued more than life, but he displease Ler. - The world as well as individual, has suffered from the apoceation of certain things which have no recapony connection. The Poleli tion has his honesty one apocie that with his party. Relegious Orced is a forceated with morality and profesional opinion with skill. and it is he cause these three great points of pride in Man his hosesty his Morality and his Shill, are Supposed to be attacked in the quition of his opinions, that he rists with such eagures and destinacy every door slight whom them. But it is time for philosophy to aprove all connections hat impose the progrep of south. In viewing the lectures I will read to you, I hope he may be governed by the muchley I am mouleating. I believe they contain much

Vi Those lectures used to address his pupily

trutt. I know they contain much with For the truther I wish you to consider me the fire swening abborate for the consider me no apology But that they are on points of quat difficulty to han, hunar inlettict, and that they are the work of a gallible Man. you know the wordy in which the author of the Serve Read and Think for yourselves - If then in Thorney your profession, you have setimined, be sians aiming at your individuals herefit, to a anance the cause of Science. Come let us use our feelings and judgement on there be tures together, and well one per all let us of it sum propen blot aut Whole pages of his honcet error. fames Sturk. Thiladeephia August 1813.

